

Abstract

A radio and a transmit power control method in a radio system supporting a use of coding blocks in communication between a base station and user equipment is disclosed. The method comprises producing a measured SIR (signal-to-interference ratio) value and compares the measured SIR value with the target SIR value. Accordingly, the method also comprises determining the quality of the received coding blocks. The method also comprising storing samples of the differences between the measured SIR value and the target SIR value. The method also comprises adjusting the target SIR value based on the values of the samples of differences between the measured SIR value and the target SIR value and the quality of the received coding block. The method also comprises providing a transmit power control command based on the adjusted target SIR value to the user equipment.